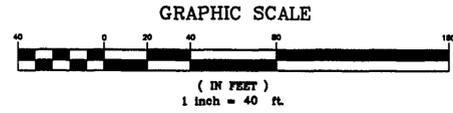


I, the undersigned hereby certify that this topography, indicated by 6", 10" or 20' contours, and elevations shown hereon represent an actual field survey made by me on the 2ND day of MAY, 2005 and that the elevations were taken at appropriate intervals and that as of that date they existed as indicated hereon.

Name: L-25-87
P.S. Reg.# 8244



LEGEND

- = IRON PIN FND
- = MONUMENT BOX
- ⊕ = WATER VALVE
- ⊕ = FIRE HYDRANT
- ⊕ = CURB INLET
- ⊕ = CATCH BASIN
- ⊕ = TELEPHONE PEDESTAL
- ⊕ = CABLE PEDESTAL
- ⊕ = TRANSFORMER BOX
- ⊕ = LINE STAKE
- ⊕ = WATER METER
- = FLOW DIRECTION
- ~ = SWALE
- = EXISTING GRADE
- - - = PROPOSED GRADE

CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT CHORD	BEARING	DELTA	
C1	99.78	70.00	60.49	91.54	N53°52'21"W	81°40'04"

LINE TABLE		
LINE	LENGTH	BEARING
L1	70.00	S04°49'23"E

TOW = TOP OF RETAINING WALL
BOW = BOTTOM OF RETAINING WALL

- ① = EX 1" WATER LATERAL
- ② = PROP 1" TYPE K WATER CONNECTION
- ③ = PROP 6" STS TO BE DISCHARGED INTO CREEK
- PROP DOWNSPOUTS TO BE SPLASHBLOCKED

UTILITY INFORMATION
TAKEN FROM COUNTY
IMPROVEMENT PLANS

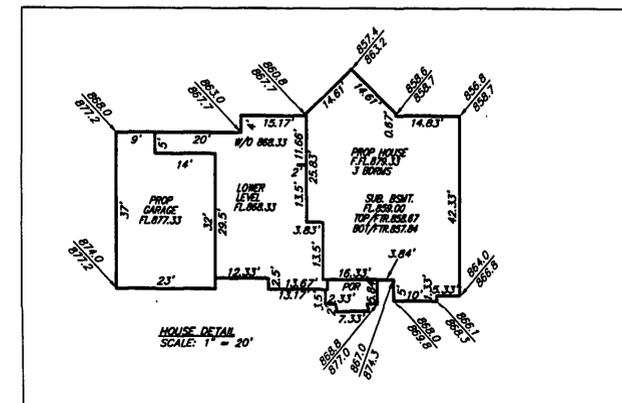
UTILITY LATERALS
MUST BE FIELD VERIFIED
BEFORE CONSTRUCTION

CURRENT ZONING: R-1 (RESIDENTIAL)
 MIN LOT AREA: 0.75 AC. (SINGLE FAMILY)
 MIN LOT WIDTH: 100' (AT BUILDING LINE)
 MIN LOT FRONTAGE: 50' (AT RIGHT-OF-WAY)
 MIN SETBACK: 80' FROM C/L OR 50' FROM R/W
 (WHICHEVER IS GREATER)
 MIN SIDEYARD: 15'
 MIN REAR YARD: 40'

BENCHMARK
 TOP STEM OF HYDRANT
 IN FRONT OF S/L 6
 ELEV = 890.27

EX CB
 R/W 892.40
 24" INV 874.50
 18" INV 873.80
 18" SW INV 873.00

NOTE: ALL PORTIONS OF
 RETAINING WALL
 (INCLUDING FOOTER)
 SHALL NOT ENCRUMB
 ON ADJACENT PROPERTY



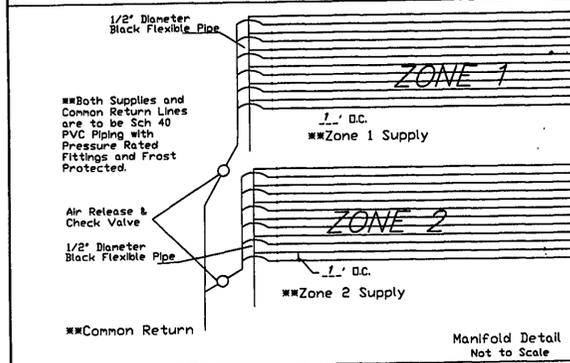
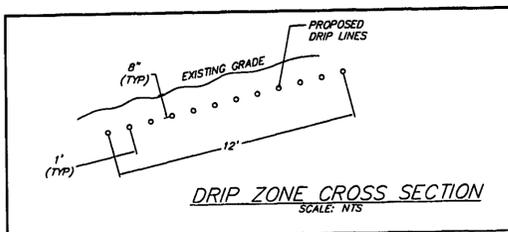
NO.	DATE	DESCRIPTION	BY
2	1/24/07	REV. HOUSE, GRADES & SEPTIC TANKS LOCATION	CL
1	8/12/05	REVISED PER L.G.H.D.	CL

**SITE PLAN FOR
 PETER & SHEILA LEKSAN
 BEING SUBLT 7 IN THE CALI WOOD SUBDIVISION
 PLAT VOLUME 26, PAGE 22
 P.P.# 08-A-004-D-00-007-0
 SITUATED IN THE TOWNSHIP OF CONCORD, COUNTY OF LAKE
 STATE OF OHIO**

38879 MENTOR AVENUE SUITE A
 WILLOUGHBY, OHIO 44094
 440-602-9071
AZTECH
 ENGINEERING and SURVEYING
 Civil Engineering - Land Surveying

HORIZ. SCALE:	1" = 40'	VERT. SCALE:	1" = 5'
DRAWN BY:	CL	DATE:	7/15/05
CHECKED BY:	SRL	DRAWING NO.:	151661
JOB NO.:	151661	SHEET	1 OF 2

Stormwater Management Plan
 Approved as shown on file noted
 JAMES R. COLLINS, P.E.
 County Drainage Engineer
 By: L.S. Date: 8/12/07



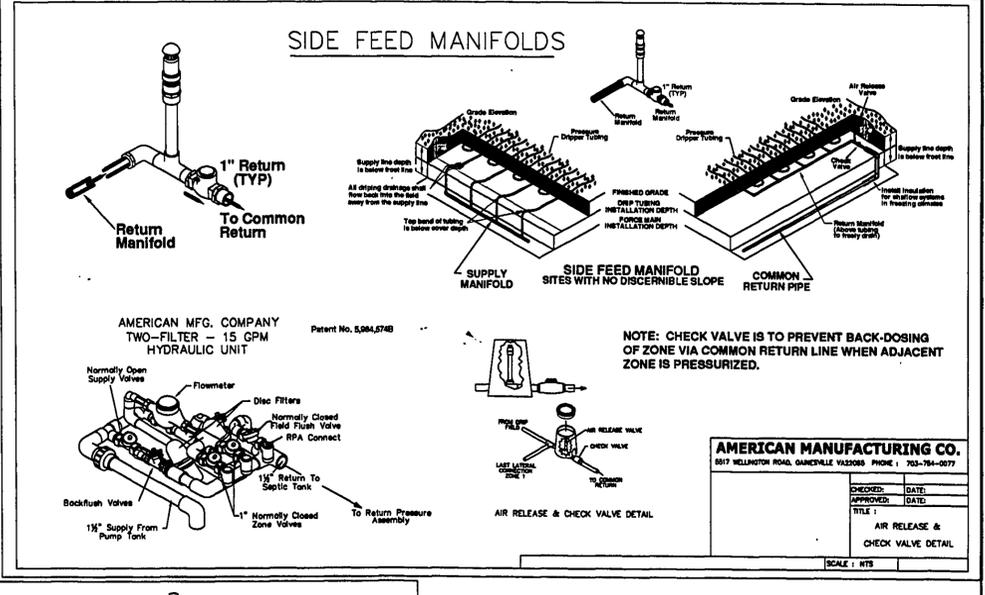
LAKE COUNTY HEALTH DEPARTMENT NOTES:
 DRIP DISTRIBUTION FIELD (DRIP TUBING @ 8" DEPTH)

- NO HEAVY EQUIPMENT SHALL BE OPERATED OVER THE DISTRIBUTION FIELD.
- AREAS FOR DISTRIBUTION FIELD AND REPLACEMENT AREAS SHALL BE STAKED AND ROPED TO PREVENT ACCESS DURING ALL CONSTRUCTION ACTIVITIES ON THE SITE.
- NO PARKING OR MATERIAL STORAGE IS PERMITTED IN AREAS DESIGNATED FOR THE DISTRIBUTION FIELD.
- LOCALIZED DEPRESSIONS MAY BE FILLED WITH MOUND SAND AND TOP DRESSED WITH TOPSOIL AND SEEDED. (MAXIMUM FILL PERMITTED IS 6" DEPTH)
- ALL INSTALLATION AND CONSTRUCTION TECHNIQUES MUST CONFORM TO THE LAKE COUNTY GENERAL HEALTH DISTRICT REGULATIONS AND OTHER CODES AND REGULATIONS THAT HAVE JURISDICTION.

12 Runs of Drip Tubing 30' Long for a Total of 360 Linear Feet in Zone 1 Placed 1.0' O.C.
 12 Runs of Drip Tubing 30' Long for a Total of 360 Linear Feet in Zone 2 Placed 1.0' O.C.
 End Loops to be Elevated to Drain Back into Drip Tubing

Manifold Detail
Not to Scale

TITLE: ZONE LAYOUT	
Homeowner: Address: County, Ohio	
DR. BY: DCM	Engineered By: StreamKey Inc.
CK BY: EJK	Onsite Solutions 12915 Peering Road Cincinnati, OH 45241 513-791-9235
DATE: 2005	SCALE: None
SHEET OF: FILE: SX000-RA	



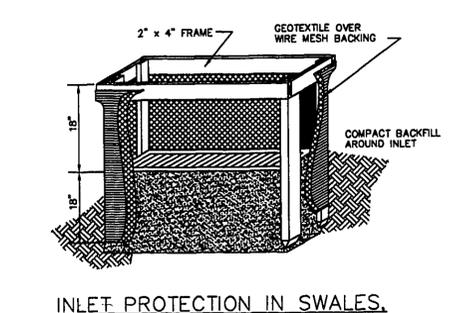
AMERICAN MANUFACTURING CO.	
5517 WELLINGTON ROAD, GAINESVILLE VA 20155 PHONE: 703-754-0077	
CHECKED: DATE:	APPROVED: DATE:
TITLE: AIR RELEASE & CHECK VALVE DETAIL	
SCALE: NTS	

CONSTRUCTION ENTRANCE
 DESCRIPTION: A CONSTRUCTION ENTRANCE IS A STABILIZED PAD OF AGGREGATE OVER A GEO-TEXTILE BASE AND IS USED TO REDUCE THE AMOUNT OF MUD TRACKED OFF-SITE WITH CONSTRUCTION TRAFFIC.

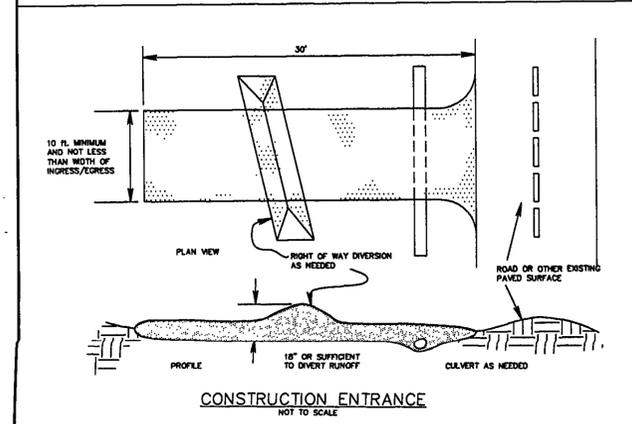
CONDITIONS WHERE PRACTICE APPLIES: A CONSTRUCTION ENTRANCE SHOULD BE USED:

- WHERE CONSTRUCTION VEHICLES LEAVE ACTIVE CONSTRUCTION AREAS ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS.
- AT ALL POINTS OF EGRESS TO PUBLIC ROADS.
- WHERE FREQUENT VEHICLE AND EQUIPMENT INGRESS/EGRESS IS EXPECTED SUCH AS AT THE ENTRANCE OF INDIVIDUAL BUILDING LOTS.

PLANNING CONSIDERATIONS: THIS PRACTICE SHOULD BE RELIED ON TO REMOVE MUD FROM CONSTRUCTION TRAFFIC. MOST MUD IS FLUNG FROM TIRES AS VEHICLES REACH SPEEDS HIGHER THAN IS REACHED ON SITE. THE BEST APPROACH TO PREVENTING OFF-SITE TRACKING IS TO KEEP VEHICLES THAT FREQUENTLY ENTER AND LEAVE A SITE AWAY FROM MUDDY AREAS IN THE FIRST PLACE. VEHICLES SHOULD BE RESTRICTED TO STABILIZED AREAS TO THE EXTENT PRACTICAL, AND AREAS WHERE FREQUENT INGRESS/EGRESS IS EXPECTED SHOULD BE STABILIZED.



- SPECIFICATIONS FOR CONSTRUCTION ENTRANCE:**
- STONE SIZE--TWO-INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH--THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 30 FT. (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30-FT. MINIMUM LENGTH APPLIES).
 - THICKNESS--THE STONE LAYER SHALL BE AT LEAST 6 IN. THICK.
 - WIDTH--THE ENTRANCE SHALL BE AT LEAST 10 FT. WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.
 - BEDDING--A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A GRAB TENSILE STRENGTH OF AT LEAST 200 LB. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LB.
 - CULVERT--A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
 - WATER BAR--A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
 - MAINTENANCE--TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
 - CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.



EROSION AND SEDIMENT CONTROL
 INGRESS-EGRESS: A STONE ACCESS DRIVE COMPLETE WITH UNDERLYING GEO-TEXTILE FABRIC (20 FEET WIDE AND 50 FEET LONG) FOR INGRESS AND EGRESS AT THE SITE SHALL BE INSTALLED. THIS DRIVE SHALL BE THE ONLY ENTRANCE AND EXIT TO THE SITE.

SILT FENCE: ALL SILT FENCE SHALL BE INSTALLED PRIOR TO ANY EARTHWORK ACTIVITIES AT THE SITE IN THE LOCATIONS SHOWN ON THE SITE PLAN AS WELL AS ALONG THE FRONT OF ANY LOT THAT SLOPES TOWARDS THE STREET.

TEMPORARY SEEDING: DISTURBED AREAS OF THE SITE THAT ARE TO REMAIN IDLE FOR MORE THAN TWENTY ONE (21) DAYS SHALL BE PROPERLY SEEDED AND STRAW MULCHED WITHIN SEVEN (7) DAYS OF COMPLETION OF INITIAL GRADING. TEMPORARY SEEDING AND MULCHING OF A THIRTY (30) FOOT STRIP OF THE ENTIRE FRONT OF THE LOT SHALL BE MAINTAINED ON THE SITE ONCE INITIAL GRADING IS COMPLETE.

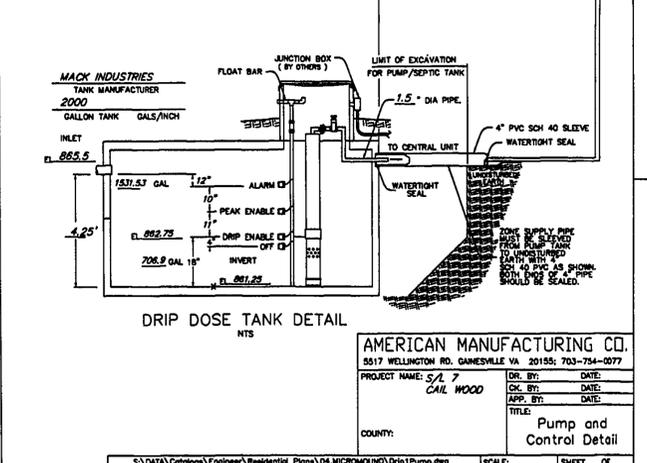
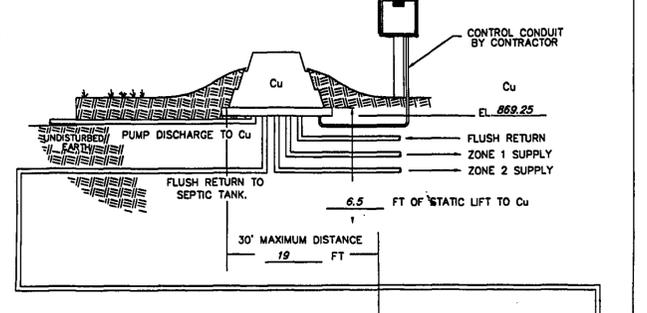
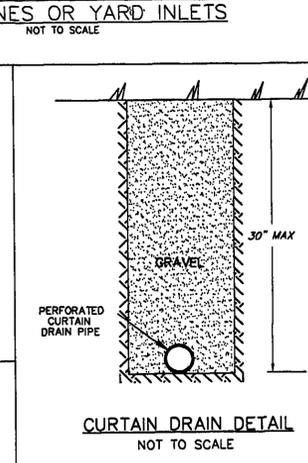
STABILIZATION OF CRITICAL AREAS WITHIN FIFTY (50) FEET OF ANY STREAM OR WETLAND SHALL BE COMPLETE WITHIN TWO (2) DAYS OF THE DISTURBANCE IF THE SITE IS TO REMAIN INACTIVE FOR LONGER THAN FOURTEEN (14) DAYS.

MULCHING: STRAW MULCH SHALL BE APPLIED AT A RATE OF 1 BALE PER TEN (10) FEET OF CURB, AT A WIDTH OF THIRTY (30) FEET OF THE ENTIRE LENGTH OF THE LOT. WOOD CHIPS MAY ALSO BE USED BUT MUST BE SPREAD AT A MINIMUM DEPTH OF FOUR INCHES OVER THE THIRTY (30) FOOT WIDTH AND MUST BE ACCOMPANIED BY A PROPERLY INSTALLED SILT FENCE.

MAINTENANCE: EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED EVERY SEVEN (7) DAYS OR WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL EVENT. NECESSARY REPAIRS SHALL BE MADE AT THIS TIME.

NOTE: ALL EROSION AND SEDIMENT CONTROL SPECIFICATIONS, APPLICATIONS, AND TIMETABLES ARE BASED ON THE DESCRIPTIONS AND STANDARDS OF THE OHIO DEPARTMENT OF NATURAL RESOURCES TRAINING AND LAND DEVELOPMENT MANUAL AND CAN BE FOUND IN THE LAKE COUNTY EROSION AND SEDIMENT CONTROL RULES AS ADOPTED DECEMBER 21, 1999.

THE SPECIFIED EROSION AND SEDIMENT CONTROL STANDARDS ARE GENERAL GUIDELINES AND SHALL NOT LIMIT THE RIGHT OF THE COUNTY TO IMPOSE AT ANY TIME, ADDITIONAL MORE STRINGENT REQUIREMENTS, NOR SHALL THE STANDARDS LIMIT THE RIGHT OF THE COUNTY TO LAKE COUNTY SOIL AND WATER CONSERVATION DISTRICT.

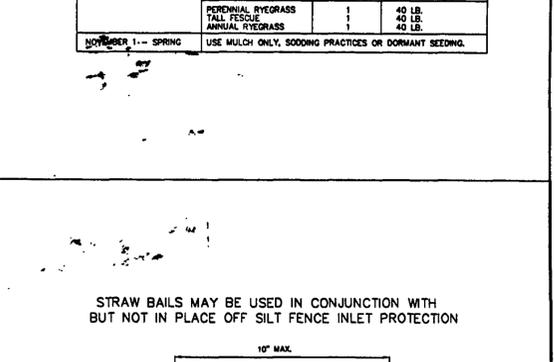


AMERICAN MANUFACTURING CO.	
5517 WELLINGTON RD. GAINESVILLE VA 20155; 703-754-0077	
PROJECT NAME: S/L 7 CALI WOOD	DR. BY: DATE:
COUNTY: DATE:	CK. BY: DATE:
TITLE: PUMP AND CONTROL DETAIL	
SCALE: SHEET OF	

TEMPORARY SEEDING

SEEDING DATES	SPECIES	LB./1,000 S.F.	PER ACRE
MARCH 1 - AUGUST 15	GRASS	3	4 BUSHEL
	TALL FESCUE ANNUAL RYEGRASS	1	40 LB.
	PERENNIAL RYEGRASS	1	40 LB.
	TALL FESCUE ANNUAL RYEGRASS	1	40 LB.
AUGUST 16 - NOVEMBER 1	RYE	3	2 BUSHEL
	TALL FESCUE ANNUAL RYEGRASS	1	40 LB.
	WHEAT	1	2 BUSHEL
	TALL FESCUE ANNUAL RYEGRASS	1	40 LB.
NOVEMBER 1 - SPRING	PERENNIAL RYEGRASS	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.

USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING.



NO.	DATE	DESCRIPTION	BY
2	1/29/07	REV. HOUSE, GRADES & SEPTIC TANKS LOCATION	CL
1	8/12/05	REVISED PER L.C.H.D.	CL

DETAILS FOR PETER & SHEILA LEKSAN BEING SUBLT 7 IN THE CALI WOOD SUBDIVISION PLAT VOLUME 26, PAGE 22 P.P.# 08-A-004-D-00-007-0 SITUATED IN THE TOWNSHIP OF CONCORD, COUNTY OF LAKE STATE OF OHIO

3870 MENTOR AVENUE SUITE A WILLOUGHBY OHIO 44094 440-602-9071

AZTECH
 ENGINEERING and SURVEYING
 Civil Engineering - Land Surveying

FAX 602-9401

HORIZ. SCALE:	VERT. SCALE:
DRAWN BY: CL	DATE: 7/15/05
CHECKED BY: SRL	DRAWING NO.: 151681
JOB NO.: 151681	SHEET 2 OF 2